

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/088,250C
Source: 1FW/6
Date Processed by STIC: 10/13/05

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 10/13/2005

PATENT APPLICATION: US/10/088,750C

TIME: 11:26:58

Input Set : A:\3190-015-Revised Sequence Listing.txt

Output Set: N:\CRF4\10132005\J088750C.raw

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3 <110> APPLICANT: NAKASHIMA, Nobuhiko
4   KANAMORI, Yasushi
6 <120> TITLE OF INVENTION: A Novel Higher-Order Structure With Promoting Translation
7   Activity
9 <130> FILE REFERENCE: 3190-015
11 <140> CURRENT APPLICATION NUMBER: US 10/088,750C
12 <141> CURRENT FILING DATE: 2002-03-20
14 <150> PRIOR APPLICATION NUMBER: JP P2001-016746
15 <151> PRIOR FILING DATE: 2001-01-25
17 <150> PRIOR APPLICATION NUMBER: PCT/JP01/00641
18 <151> PRIOR FILING DATE: 2001-01-31
20 <160> NUMBER OF SEQ ID NOS: 19
22 <170> SOFTWARE: PatentIn version 3.2
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 188
26 <212> TYPE: RNA
27 <213> ORGANISM: Plautia Stali Intestine Virus
29 <400> SEQUENCE: 1
30 gacuauguga ucuuauuaaa auuagguuaa auuucgaggu uaaaaauagu uuuaauauug      60
32 cuauagucuu agaggucuuu uauauuuaua cuuaccacac aagauggacc ggagcagccc      120
34 uccaauaucu aguguacccu cgugcucgcu caaacauuaa gugguguugu gcgaaaagaa      180
36 ucucacuu                                     188
39 <210> SEQ ID NO: 2
40 <211> LENGTH: 187
41 <212> TYPE: RNA
42 <213> ORGANISM: Himetobi P Virus
44 <400> SEQUENCE: 2
45 gaaaaugugu gaucugauua gaaguaagaa aaauccuagu uauaauauuu uuaauacugc      60
47 uacauuuuuu agaccuuuag uuauuuagcu uuaccgccc aagauggggug cagcguuccu      120
49 gcaauaucca gggcaccuag gugcagccuu guaguuuuag uggacuuuag gcuaaagaau      180
51 uucacua                                     187
54 <210> SEQ ID NO: 3
55 <211> LENGTH: 189
56 <212> TYPE: RNA
57 <213> ORGANISM: Drosophila C Virus
59 <400> SEQUENCE: 3
60 guuaagaugu gaucuuuucu ccuauuacaa uuugagagg uuaauaagaa ggaaguagug      60
62 cuauuuuuu aauuagguua acuauuuagu uuacuguuu aggaugccua uggcagccc      120
64 cauaauaucc aggacacccu cucugcuucu uauaugauua gguugucauu uagaauaaga      180
66 aaauaaccu                                     189
69 <210> SEQ ID NO: 4
70 <211> LENGTH: 188
71 <212> TYPE: RNA

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72 <213> ORGANISM: Cricket Paralysis Virus
74 <400> SEQUENCE: 4
75 caaaaauugug aucuugcuug uaaauacaau uuugagaggu uaauaaaaua caaguagugc      60
77 uauuuuuugua uuuagguuag cuauuuagcu uuacguucca ggaugccuag uggcagcccc      120
79 acaauaucca ggaagcccuc ucugcgguuu uucagauuag guagucgaaa aaccuaagaa      180
81 auuuaccu                                     186
84 <210> SEQ ID NO: 5
85 <211> LENGTH: 186
86 <212> TYPE: RNA
87 <213> ORGANISM: Triatoma Virus
89 <400> SEQUENCE: 5
90 uugacuaugu gaucuugcuu ucguauuaaa aucuguacau aaaagucgaa aguauugcua      60
92 uaguuuaggu ugcgcugcc uauuuaggca uacuucucag gauggcgcu ugcaguccaa      120
94 caagauccag ggacuguaca gaauuuuccu auaccucgag ucggguuugg aaucuaaggu      180
96 ugacuc                                     186
99 <210> SEQ ID NO: 6
100 <211> LENGTH: 190
101 <212> TYPE: RNA
102 <213> ORGANISM: Black Queen-Cell Virus
104 <400> SEQUENCE: 6
105 ccaacaauug gaucuugcuu gcgagggcaa aaauugcaca guauaaaauc ugcaaguagu      60
107 gcuauuguug gaucacccgu accuauuuag guuuacgcuc caagaucggu ggauagcagc      120
109 ccuaucuaa ucuaggagaa cugugcuaug uuuagaagau uagguagucu cuaaacagaa      180
111 caauuuaccu                                     190
114 <210> SEQ ID NO: 7
115 <211> LENGTH: 175
116 <212> TYPE: RNA
117 <213> ORGANISM: Rhopalosiphum Padi Virus
119 <400> SEQUENCE: 7
120 aguguugugu gaucuugcgc gauaaaugcu gacgugaaaa cguugcgauu ugcuaacaaca      60
122 cuugguuagc uauuuagcuu uacuaaucaa gacgccgucg ugcagcccac aaaagucuag      120
124 auacgucaca ggagagcaua cgcuaaggucg cguugacuau ccuauauauu gaccu      175
126 <210> SEQ ID NO: 8
127 <211> LENGTH: 29
128 <212> TYPE: DNA
129 <213> ORGANISM: Artificial
131 <220> FEATURE:
132 <223> OTHER INFORMATION: The sequence was synthesized for use as a forward primer.
134 <400> SEQUENCE: 8
135 gggttaaattt caggtaaaaa attgctata                                     29
138 <210> SEQ ID NO: 9
139 <211> LENGTH: 35
140 <212> TYPE: DNA
141 <213> ORGANISM: Artificial
143 <220> FEATURE:
144 <223> OTHER INFORMATION: The sequence was synthesized for use as a reverse primer.
146 <400> SEQUENCE: 9
147 cctcgaaatt taaccagatc acatagtcag ctttc                                     35
150 <210> SEQ ID NO: 10

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RAW SEQUENCE LISTING

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151 <211> LENGTH: 281
152 <212> TYPE: RNA
153 <213> ORGANISM: Unknown
155 <220> FEATURE:
156 <223> OTHER INFORMATION: The sequence is used only to illustrate secondary structures
157     predicted by a computer program, MFOLD, as shown in Fig. 3.
159 <400> SEQUENCE: 10
160 cggugucgaa guagaauuuc uaucucgaca cgcggccuuc caagcaguua gggaaaccga      60
162 cuucuuugaa gaagaaagcu gacuauguga ucuuauuaaa auuggauuaa auuucgaggu      120
164 uauuaaaagu uuaauauuug cuauagucuu agaggucuuu uauauuuaua cuuaccacac      180
166 aagauggacc ggagcagccc uccaauaucu aguguacccu cgugcucgcu caaacauuaa      240
168 gugguguugu gcgaaaagaa ucucacuuca agaaaaagaa u                          281
171 <210> SEQ ID NO: 11
172 <211> LENGTH: 16
173 <212> TYPE: RNA
174 <213> ORGANISM: Unknown
176 <220> FEATURE:
177 <223> OTHER INFORMATION: The sequence is used only to illustrate aspects of higher
order
178     structures on protein synthesis in Fig. 8A.
180 <400> SEQUENCE: 11
181 aacauuaagu gguguu                          16
184 <210> SEQ ID NO: 12
185 <211> LENGTH: 16
186 <212> TYPE: RNA
187 <213> ORGANISM: Unknown
189 <220> FEATURE:
190 <223> OTHER INFORMATION: The sequence is used only to illustrate aspects of higher
order
191     structures on protein synthesis in Fig. 8A.
193 <400> SEQUENCE: 12
194 aacauugggu gguguu                          16
197 <210> SEQ ID NO: 13
198 <211> LENGTH: 200
199 <212> TYPE: RNA
200 <213> ORGANISM: Plautia Stali Intestine Virus
202 <400> SEQUENCE: 13
203 gacuauguga ucuuauuaaa auuagguuaa auuucgaggu uaaaaauagu uuaauauuug      60
205 cuauagucuu agaggucuuu uauauuuaua cuuaccacac aagauggacc ggagcagccc      120
207 uccaauaucu aguguacccu cgugcucgcu caaacauuaa gugguguugu gcgaaaagaa      180
209 ucucacuuca agaaaaagaa                          200
212 <210> SEQ ID NO: 14
213 <211> LENGTH: 199
214 <212> TYPE: RNA
215 <213> ORGANISM: Himetobi P Virus
217 <400> SEQUENCE: 14
218 gaaaauugugu gaucugauua gaaguaagaa aaauccuagu uauaauuuu uuaauacugc      60
220 uacauuuuuu agaccuuuag uuauuuagcu uuaccgccc ggauggggug cagcguuccu      120
222 gcaauaucca gggaccuag gugcagccuu guaguuuuag uggacuuuag gcuaaagaau      180
224 uucacuagca aaauauauu                          199
227 <210> SEQ ID NO: 15

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RAW SEQUENCE LISTING

DATE: 10/13/2005

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TIME: 11:26:58

Input Set : A:\3190-015-Revised Sequence Listing.txt

Output Set: N:\CRF4\10132005\J088750C.raw

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228 <211> LENGTH: 201
229 <212> TYPE: RNA
230 <213> ORGANISM: Drosophila C Virus
232 <400> SEQUENCE: 15
233 guuaagaugu gaucuugcuu ccuauacaa uuuugagagg uuaauaagaa ggaaguagug      60
235 cuaucuuauu aaauagguaa acuaauuagu uuucugucuc aggaugccua uggcagccc      120
237 cauaauaucc aggacacccu cucugcuucu uauaugauua gguugucauu uagaauaaga      180
239 aaauaaccug cuaacuuuca a                                201
242 <210> SEQ ID NO: 16
243 <211> LENGTH: 200
244 <212> TYPE: RNA
245 <213> ORGANISM: Cricket Paralysis Virus
247 <400> SEQUENCE: 16
248 caaaaaugug aucuugcuug uaaauacaau uuugagaggu uaauaaaaua caaguagugc      60
250 uauuuuugua uuuaagguuag cuauuuagcu uuacguucca ggaugccuag uggcagcccc      120
252 acaauaucca ggaagcccuc ucugcgguuu uucagauuag guagucgaaa aaccuaagaa      180
254 auuuaccugc uacauuucaa                                200
257 <210> SEQ ID NO: 17
258 <211> LENGTH: 198
259 <212> TYPE: RNA
260 <213> ORGANISM: Triatoma Virus
262 <400> SEQUENCE: 17
263 uugacuaugu gaucuugcuu ucguaauaaa aucuguacau aaaagucgaa aguauugcua      60
265 uaguuaaggu ugcgcugucc uauuuaggca uacuucucag gauggcgcg ugcaguccaa      120
267 caagauccag ggacuguaca gaauuuuccu auaccucgag ucggguuugg aaucuaaggu      180
269 ugacucgcug uaaauaau                                198
272 <210> SEQ ID NO: 18
273 <211> LENGTH: 202
274 <212> TYPE: RNA
275 <213> ORGANISM: Black Queen-Cell Virus
277 <400> SEQUENCE: 18
278 ccaacaauugu gaucuugcuu gcggaggcaa aaauugcaca guauaaaauc ugcaaguagu      60
280 gcuaauuguug gaauaccgu accuaauuag guuuacgcuc caagaucggu ggauagcagc      120
282 ccuaucaaua ucuaggagaa cugugcuauug uuugaagau uagguagucu cuaaacagaa      180
284 caauuuaccu gcugaacaaa uu                                202
287 <210> SEQ ID NO: 19
288 <211> LENGTH: 187
289 <212> TYPE: RNA
290 <213> ORGANISM: Rhopalosiphum Padi Virus
292 <400> SEQUENCE: 19
293 aguguugugu gaucuugcgc gauaaaugcu gacgugaaaa cguugcgauu ugcuaacaaca      60
295 cuugguuagc uauuuagcuu uacuaaucaa gacgccgucg ugcagcccac aaaagucuag      120
297 auacgucaca ggagagcaua cgcuaaggucg cguugacuau ccuauauau gaccugcaaa      180
299 uauaaac                                187

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RAW SEQUENCE LISTING ERROR SUMMARY DATE: 10/13/2005
PATENT APPLICATION: US/10/088,750C TIME: 11:26:59

Input Set : A:\3190-015-Revised Sequence Listing.txt
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:8,9

VERIFICATION SUMMARY

DATE: 10/13/2005

PATENT APPLICATION: US/10/088,750C

TIME: 11:26:59

Input Set : A:\3190-015-Revised Sequence Listing.txt

Output Set: N:\CRF4\10132005\J088750C.raw